

Form PTO-1449 (modified)		Atty. Docket No.: BRKP:028US	Serial No.: 10/589,385
List of Patents and Publications for Applicant's		Applicant: Christer SINDERBY et al.	
INFORMATION DISCLOSURE STATEMENT			
(Use several sheets if necessary)		Filing Date: August 15, 2006	Group: 3743
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>		Other Art <i>See Pages 1-4</i>

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A3	2003-0188748	10/9/03	Sinderby et al.	128	204.21	4/2/03

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C2	Aldrich et al., "Electrophysiologic techniques for the assessment of respiratory muscle function," In: ATS/ERS Statement on respiratory muscle testing, <i>Am. J. Respir. Crit. Care Med.</i> , 166:548-558, 2002.
	C3	Beck et al., "Diaphragm interference pattern EMG and compound muscle action potentials: effects of chest wall configuration," <i>J. Appl. Physiol.</i> , 82:520-530, 1997.
	C4	Beck et al., "Effects of lung volume on diaphragm EMG signal strength during voluntary contractions," <i>J. Appl. Physiol.</i> , 85:1123-1134, 1998.
	C5	Beck et al., "Effects of muscle-to-electrode distance on the human diaphragm electromyogram," <i>J. Appl. Physiol.</i> , 79:975-985, 1995.
	C6	Beck et al., "Influence of bipolar esophageal electrode positioning on measurements of human crural diaphragm electromyogram," <i>J. Appl. Physiol.</i> , 81:1434-1449, 1996.
	C7	Bellemare and Grassino, "Effect of pressure and timing of contraction on human diaphragm failure," <i>J. Appl. Physiol. Respirat. Environ. Exercise Physiol.</i> , 53:1190-1195, 1982.
	C8	Bellemare and Grassino, "Evaluation of human diaphragm fatigue," <i>J. Appl. Physiol. Respirat. Environ. Exercise Physiol.</i> , 53:1196-1206, 1982.
	C9	Brochard et al., "Inspiratory pressure support prevents diaphragmatic fatigue during weaning from mechanical ventilation," <i>Am. Rev. Respir. Dis.</i> , 139:513-521, 1989.

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	C10	Broman, "An investigation on the influence of a sustained contraction on the succession of action potentials from a single motor unit," <i>Electromyogr. Clin. Neurophysiol.</i> , 17:341-358, 1977.
	C11	Calzia et al., "Pressure-time product and work of breathing during biphasic continuous positive airway pressure and assisted spontaneous breathing," <i>Am. J. Respir. Crit. Care Med.</i> , 150:904-910, 1994.
	C12	Clanton et al., "Preservation of sustainable inspiratory muscle pressure at increased end-expiratory lung volume," <i>Am. Rev. Respir. Dis.</i> , 147:385-391, 1993.
	C13	Clausen et al., "K ⁺ induced inhibition of contractile force in rat skeletal muscle, role of active Na ⁺ -K ⁺ transport," <i>Am. J. Physiol.</i> , 261:C799-C807, 1991.
	C14	Cohen et al., "Clinical manifestations of inspiratory muscle fatigue," <i>Am. J. Med.</i> , 73:308-316, 1982.
	C15	Farkas and Roussos, "Acute diaphragmatic shortening: in vitro mechanics and fatigue," <i>Am. Rev. Respir. Dis.</i> , 130:434-438, 1984.
	C16	Gandevia and McKenzie, "Human diaphragmatic EMG: changes with lung volume and posture during supramaximal phrenic stimulation," <i>J. Appl. Physiol.</i> , 60:1420-1428, 1986.
	C17	Gross et al., "Electromyogram pattern of diaphragmatic fatigue," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 46:1-7, 1979.
	C18	Hodgkin and Huxley, "A quantitative description of membrane current and its application to conduction and excitation in nerve," <i>J. Physiol. (Lond)</i> , 117:500-544, 1952.
	C19	Hodgkin, "A note on conduction velocity," <i>J. Physiol (Lond)</i> , 125:221-224, 1954.
	C20	Hussain, "Regulation of ventilatory muscle blood flow," <i>J. Appl. Physiol.</i> , 81:1455-1468, 1996.
	C21	Jubran et al., "Variability of patient-ventilator interaction with pressure support ventilation in patients with chronic obstructive pulmonary disease," <i>Am. J. Respir. Crit. Care Med.</i> , 152:129-136, 1995.
	C22	Kadefors et al., "Dynamic spectrum analysis of myo-potentials with special reference to muscle fatigue," <i>Electromyogr. Clin. Neurophysiol.</i> , 8:39-74, 1968.
	C23	Klawitter and Clanton, "Tension-time index, fatigue, and energetics in isolated rat diaphragm: a new experimental model," <i>J. Appl. Physiol.</i> , 96:89-95, 2003.

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	C24	Körner <i>et al.</i> , "The relation between spectral changes of the myoelectric signal and the intramuscular pressure of human skeletal muscle," <i>Eur. J. Appl. Physiol.</i> , 52:202-206, 1984.
	C25	Laghi <i>et al.</i> , "Is weaning failure caused by low-frequency fatigue of the diaphragm," <i>Am. J. Respir. Crit. Care Med.</i> , 167:120-127, 2003.
	C26	Lindinger and Sjøgaard, "Potassium regulation during exercise and recovery," <i>Sports Med.</i> , 11:382-401, 1991.
	C27	Lindström and Hellsing, "Masseter muscle fatigue in man objectively quantified by analysis of myoelectric signals," <i>Arch. Oral Biol.</i> , 28:297-301, 1983.
	C28	Lindström and Magnusson, "Interpretation of myoelectric power spectra: a model and its applications," <i>Proc. IEEE</i> , 65:653-662, 1977.
	C29	Lindström and Petersén, "Power spectrum analysis of EMG signals and its applications," In: <i>Progress in Clinical Neurophysiology. Computer-Aided Electromyography</i> , <i>Prog. Clin. Neurophysiol.</i> , 10:1-51, 1983.
	C30	Lindström <i>et al.</i> , "An electromyographic index for localized muscle fatigue," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 43:750-754, 1977.
	C31	Lindström, "Fatigue changes in the myoelectric signal during periodic muscle work," <i>Bull. Eur. Physiopathol. Respir.</i> , 15Suppl:107-114, 1979.
	C32	Mortimer <i>et al.</i> , "Conduction velocity in ischemic muscle: effect on EMG frequency spectrum," <i>Am. J. Physiol.</i> , 219:1324-1329, 1970.
	C33	Ranieri <i>et al.</i> , "Patient-ventilator interaction during acute hypercapnia: pressure-support vs. proportional-assist ventilation," <i>J. Appl. Physiol.</i> , 81:426-436, 1996.
	C34	Roussos and Macklem, "Diaphragmatic fatigue in man," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 43:189-197, 1977.
	C35	Roussos <i>et al.</i> , "Fatigue of inspiratory muscles and their synergic behavior," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 46:897-905, 1979.
	C36	Sasson <i>et al.</i> , "Pressure-time product during continuous positive airway pressure, pressure support ventilation, and T-piece during weaning from mechanical ventilation," <i>Am. Rev. Respir. Dis.</i> , 143:469-475, 1991.

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	C37	Sinderby <i>et al.</i> , "Automatic assessment of electromyogram quality," <i>J. Appl. Physiol.</i> , 79:1803-1815, 1995.
	C38	Sinderby <i>et al.</i> , "Changes in respiratory effort sensation over time are linked to the frequency content of diaphragm electrical activity," <i>Am. J. Respir. Crit. Care Med.</i> , 163:905-910, 2001.
	C39	Sinderby <i>et al.</i> , "Effects of diaphragm shortening on the mean action potential conduction velocity in canines," <i>J. Physiol.</i> , 490:207-214, 1996.
	C40	Sinderby <i>et al.</i> , "Enhancement of signal quality in esophageal recordings of diaphragm EMG," <i>J. Appl. Physiol.</i> , 82:1370-1377, 1997.
	C41	Sinderby <i>et al.</i> , "Influence of the bipolar electrode transfer function on the electromyogram power spectrum," <i>Muscle & Nerve</i> , 19:290-301, 1996.
	C42	Sinderby <i>et al.</i> , "Neural control of mechanical ventilation in respiratory failure," <i>Nat. Med.</i> , 5:1433-1436, 1999.
	C43	Sinderby <i>et al.</i> , "Voluntary activation of the human diaphragm in health and disease," <i>J. Appl. Physiol.</i> , 85:2146-2158, 1998.
	C44	Tobin <i>et al.</i> , "Assessment of respiratory muscle function in the intensive care unit," In: ATS/ERS Statement on Respiratory Muscle Testing, <i>Am. J. Respir. Crit. Care Med.</i> , 166:610-623, 2002.
	C45	Tobin <i>et al.</i> , "The pattern of breathing during successful and unsuccessful trials of weaning from mechanical ventilation," <i>Am. Rev. Respir. Dis.</i> , 134:1111-1118, 1986.
	C46	Tzelepis <i>et al.</i> , "Increased lung volume limits endurance of inspiratory muscles," <i>J. Appl. Physiol.</i> , 64:1796-1802, 1988.

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